

**UNITED STATES DISTRICT COURT  
SOUTHERN DISTRICT OF NEW YORK**

-----X	
<b>THE PROCTER &amp; GAMBLE COMPANY,</b>	)
	)
<b>Plaintiff,</b>	) <b>Civ. No. 07-8379 (RJS)</b>
	)
<b>v.</b>	) <b>ECF Case</b>
	)
<b>ULTREO, INC.,</b>	)
	)
<b>Defendant.</b>	)
-----X	

**DECLARATION OF MARTHA E. NUNN, D.D.S., Ph.D.**

I, MARTHA E. NUNN, hereby declare under penalty of perjury as follows:

1. I am Associate Professor in the Department of Health Policy and Health Services Research at the Goldman School of Dental Medicine at Boston University. I am also Associate Professor in the Department of Medical Nutrition Sciences in the School of Medicine at Boston University. I am also Director of Biometry Core at the Northeast Center for Research to Evaluate and Eliminate Dental Disparities. My research is focused primarily on statistical methods applied to dental research problems. I hold a Ph.D. in Biostatistics from the University of Washington (1997) and a D.D.S. from the University of Tennessee (1981). A copy of my curriculum vitae is attached as Exhibit A. I have consulted with Ultreo, Inc. concerning the statistical analysis of some dental research studies, including the study conducted by Dr. Jeff Milleman at the University Park Research Center in Fort Wayne, Indiana.

**REDACTED**

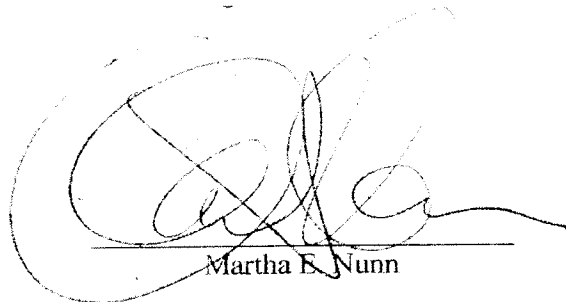
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Dated: February 4, 2008  
Mansfield, Massachusetts



Martha E. Nunn

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# EXHIBIT A

## **CURRICULUM VITAE**

**MARTHA E. NUNN, D.D.S., Ph.D.**

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Boston, Massachusetts 02118  
Office Tel: (617) 414-1156  
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Dept. of Health Policy & Health Services Research  
Goldman School of Dental Medicine  
Boston University  
Tel: (617) 638-6380  
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### ***RESEARCH INTERESTS***

Statistical interests: Statistical methods applied to dental research problems.  
Generalized estimating equations, generalized linear mixed models, multiple endpoint survival analysis, clinical trials.  
Dental research interests: Oral health disparities, dental prognostic indicators, genetic factors in periodontal disease, occlusal discrepancies and periodontal disease.

### ***EDUCATION***

#### **Ph.D., BIOSTATISTICS (1997)**

UNIVERSITY OF WASHINGTON

Dissertation topic: "Influence Diagnostics for Correlated Data."

Dissertation advisor: Associate Professor Brian G. Leroux.

#### **M.S., BIOSTATISTICS (1995)**

UNIVERSITY OF WASHINGTON

#### **M.S., STATISTICS (1991)**

UNIVERSITY OF TENNESSEE, KNOXVILLE

Master's project: "Proposal for a Two-Stage Enrichment Design for Orphan Drugs."

Project advisor: Professor and Chair Robert Mee.

#### **D.D.S. (1981)**

UNIVERSITY OF TENNESSEE, MEMPHIS

#### **B.S. in CHEMISTRY, CUM LAUDE, (1976)**

UNIVERSITY OF TENNESSEE, KNOXVILLE

### ***HONORS and AWARDS***

#### **AWARD (2001)**

Arthur H. Wuehrmann Prize

#### **AWARD (1997)**

American Academy of Periodontology Clinical Research Award.

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**FELLOWSHIP (1992-1997)**

National Institute of Dental Research Oral Epidemiology and Biostatistics Traineeship.  
Supervisor: Professor Timothy A. DeRouen.

**AWARD (1992)**

Finalist for outstanding teaching award in the College of Business Administration,  
University of Tennessee.

**AWARD (1991)**

Outstanding student in statistics, University of Tennessee.

**HONOR SOCIETY (1989)**

Phi Kappa Phi, University of Tennessee.

***PROFESSIONAL EXPERIENCE***

**ASSOCIATE PROFESSOR (2004-present)**

SCHOOL OF MEDICINE  
BOSTON UNIVERSITY  
DEPARTMENT OF MEDICAL NUTRITION

**DIRECTOR, BIOMETRY CORE (2001-present)**

NORTHEAST CENTER FOR RESEARCH TO REDUCE ORAL HEALTH DISPARITIES

**ASSOCIATE PROFESSOR (2000-present)**

GOLDMAN SCHOOL OF DENTAL MEDICINE  
BOSTON UNIVERSITY  
DEPARTMENT OF HEALTH POLICY & HEALTH SERVICES RESEARCH

**ASSISTANT PROFESSOR (1997-2000)**

BAYLOR COLLEGE OF DENTISTRY  
DEPARTMENT OF PUBLIC HEALTH SCIENCES  
Course Director: Biostatistics for Dentistry.

**ADJUNCT ASSISTANT PROFESSOR (1997-2000)**

UNIVERSITY OF NORTH TEXAS  
SCHOOL OF PUBLIC HEALTH

**ASSISTANT PROFESSOR (1999-2000)**

TEXAS A&M UNIVERSITY HEALTH SCIENCES CENTER  
SCHOOL OF RURAL PUBLIC HEALTH

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***OTHER EMPLOYMENT EXPERIENCE***

**GRADUATE TEACHING ASSISTANT (1995-1996)**

UNIVERSITY OF WASHINGTON

DEPARTMENT OF BIostatISTICS

Courses: Linear Models, Survival Analysis for Epidemiologists.

Instructors: Assistant Professor David Yanez, Associate Professor Brian Leroux,  
Professor Norman Breslow.

Responsibilities: Grade homework, provide solutions to homework, hold office hours,  
maintain data sets and ftp site.

**GRADUATE TEACHING ASSISTANT (1990-1992)**

UNIVERSITY OF TENNESSEE, KNOXVILLE

DEPARTMENT OF STATISTICS

Courses: Introductory Statistics, Survey Sampling, Regression, Probability for  
Engineers, Design of Experiments.

**GENERAL DENTIST (1981-1992)**

PRIVATE PRACTICE.

**RESEARCH CHEMIST**

ST. JUDE CHILDREN'S RESEARCH HOSPITAL

MEMPHIS, TENNESSEE

Supervisor: Dr. Ling Chwang

Responsibilities: Synthesize nucleoside analogues as potential cancer agents.

***RESEARCH EXPERIENCE***

**GRADUATE RESEARCH ASSISTANT (1994-1996)**

HARBORVIEW INJURY PREVENTION PROGRAM

BICYCLE SAFETY HELMET STUDY

Responsibilities: Analyze data to determine the effect of bicycle safety helmets in the  
prevention of dental and facial injuries.

Supervisor: Diane Thompson and Dr. Fred Rivara

**BIostatISTICAL CONSULTANT (1993-1997)**

UNIVERSITY OF WASHINGTON

SCHOOL OF DENTISTRY

Responsibilities: Provide statistical consultation for faculty and graduate students in  
orthodontics, endodontics, and restorative dentistry.

**BIostatISTICAL CONSULTANT (1998-2001)**

INTERLEUKIN GENETICS, INC.

Responsibilities: Provide assistance with design and analysis of clinical studies.

**BIostatISTICAL CONSULTANT (2003-2005)**

PHILIPS ORAL HEALTHCARE

Responsibilities: Provide assistance with design and analysis of clinical studies.

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**BIostatistical Consultant (2005)**

ISOLAGEN

Responsibilities: Provide assistance with design and analysis of clinical studies.

**BIostatistical Consultant (2006-present)**

ORGANOGENESIS

Responsibilities: Provide assistance with design and analysis of clinical studies.

**BIostatistical Consultant (2006-present)**

SECOND ACT

Responsibilities: Provide assistance with design and analysis of clinical studies.

**BIostatistical Consultant (2006-present)**

ULTREO

Responsibilities: Provide assistance with design and analysis of clinical studies.

**APPOINTMENTS**

Organizer of Epi Forum, 2007-present.

Secretary-Treasurer, Salivary Research Group, IADR, 2005-present.

Research Committee, Boston University School of Dental Medicine, 2004-present.

*Journal of Periodontology* Editorial Board, 1998-present

*European Journal of Dentistry*, 2006-present

Organizing Committee for a Workshop on Clinical Significance, American Academy of Periodontology, 1999-2001.

Subcommittee on Validation of Surrogate Markers, American Academy of Periodontology, 1999-2001.

Research Committee, Baylor College of Dentistry, 1999-2000.

Content Definition Team, Baylor College of Dentistry, 1998-1999.

*Community Dentistry and Oral Epidemiology*, *ad hoc* reviewer.

*Journal of the American Dental Association*, *ad hoc* reviewer.

*Dental Materials*, *ad hoc* reviewer.

*Quintessence International*, *ad hoc* reviewer.

*Journal of Public Health Dentistry*, *ad hoc* reviewer

*American Journal of Public Health*, *ad hoc* reviewer

*Caries Research*, *ad hoc* reviewer

NIDCR, *ad hoc* grant reviewer

**COMPUTING SKILLS**

Proficiency in SAS, Splus, SPSS, FORTRAN, EGRET, MINITAB, MATLAB, MAPLE, Mathematica, LaTeX, Excel, Access, Epi Info. Experience with Unix, mainframe, and PC environments. Proficiency in development of PHP-MySQL web applications.



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**PUBLICATIONS**

Thompson DC, Nunn ME, Thompson RS, Rebolledo V, Rivara FP. (1996). "A case-control study of the effectiveness of bicycle safety helmets in preventing serious facial injury." *Journal of American Medical Association*, 276, 24:1974-1975.

McGuire MK, Nunn ME. (1996). "Prognosis versus actual outcome II: The effectiveness of commonly taught clinical parameters in developing an accurate prognosis." *Journal of Periodontology*, 67(7): 658-665, 1996.

McGuire MK, Nunn ME. (1996). "Prognosis versus actual outcome III: The effectiveness of clinical parameters in accurately predicting tooth survival." *Journal of Periodontology*, 67(7): 666-674, 1996.

Wilson TG, McGuire MK, Greenstein G, Nunn ME. (1997) "Actisite plus scaling and root planing versus scaling and root planing alone: similar results after five years." *Journal of Periodontology*, 68, 11:1029-1032.

Kofford KR, Wakefield CW, Nunn ME. (1998) "The effect of autoclaving and polishing techniques on energy transmission of light-curing tips." *Quintessence International*, 29, 8:491-496.

Wolff L, Kim A, Nunn M, Bakdash B, Hinrichs J. (1998) "Effectiveness of a sonic toothbrush in maintenance of dental implants. a prospective study." *Journal of Clinical Periodontology*, 25, 10:821-828.

Miller BH, Nakajima H, Powers JM, Nunn ME. (1998) "Bond strength between cements and metals used for endodontic posts." *Dental Materials*, 14, 312-320.

McGuire MK, Nunn ME. (1999) "Prognosis versus actual outcome. IV. The effectiveness of clinical parameters and IL-1 genotype in accurately predicting prognoses and tooth survival." *Journal of Periodontology*, 70, 1:49-56.

Schilling ER, Miller BH, Woody RD, Miller AW 3<sup>rd</sup>, Nunn ME. (1999) "Marginal gap of crowns made with a phosphate-bonded investment and accelerated casting method." *Journal of Prosthetic Dentistry*, 81, 2:129-134.

Wilson TG, Nunn ME. (1999) "The relationship between the interleukin-1 $\beta$  periodontal genotype and implant loss: Initial data." *Journal of Periodontology*, 70, 7:724-729.

Rethman MP, Nunn ME. (1999) "Clinical versus statistical significance." *Journal of Periodontology*, 70, 6:700-702.

Harrel SK, Nunn ME, Belling C. (1999) "Long-term results of minimally invasive surgical approach for bone grafting." *Journal of Periodontology*, 12:1558-1563.

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Davalou S, Gutmann JL, Nunn M. (1999) "Assessment of apical and coronal root canal seals using contemporary endodontic obturation and restorative materials and techniques." *International Endodontic Journal*, 32, 388-396.

Kytridou V, Gutmann JL, Nunn M. (1999) "Adaptation and sealability of two contemporary obturation techniques in the absence of the dentinal smear layer." *International Endodontic Journal*, 32, 464-474.

Cutler CW, Shinedling EA, Nunn M, Jotwani R, Kim BO, Nares S, Iacopino AM. (1999) "Association between Periodontitis and Hyperlipidemia: Cause or Effect?" *Journal of Periodontology*, 12:1429-1434.

Smith NL, Seale NS, Nunn ME. (2000) "Ferric sulfate pulptomy technique in primary molars: A retrospective study." *Journal of Pediatric Dentistry*, 22, 192-199.

Cederberg RA, Benson BW, Nunn M, English JD. (2000) "Arcuate Foramen: Prevalence by Age, Gender and Degree of Calcification." *Clinical Orthodontics and Research*, 3:162-167.

Trautmann G, Gutmann JL, Nunn ME, Witherspoon DE, Shulman JD. (2000) "Restoring teeth endodontically treated through existing crowns. Part I: Survey of pulpal status upon access." *Quintessence International*, 31, 10:713-718.

Trautmann G, Gutmann JL, Nunn ME, Witherspoon DE, Shulman JD. (2000) "Restoring teeth endodontically treated through existing crowns. Part II: Survey of restorative materials commonly used." *Quintessence International*, 31, 10:719-728.

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Cai Z, Bunce N, Nunn ME, Okabe T. (2001) "Porcelain adherence to dental cast titanium: effects of surface modifications." *Biomaterials*, 22, 9:979-986.

Nunn ME, Harrel SK. (2001) "The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters." *Journal of Periodontology*, 72, 4:485-494.

Harrel SK, Nunn ME. (2001) "The effect of occlusal discrepancies on periodontitis. II. Relationship of occlusal treatment to the progression of periodontal disease." *Journal of Periodontology*, 72, 4:495-505.

Johns GH, Gutmann ME, DeWald JP, Nunn ME. (2001) "Career retention in the dental hygiene workforce in Texas." *Journal of Dental Hygiene*, 75, 2:135-148.

Thompson K, Seale NS, Nunn ME, Huff G. (2001) "Alternative method of hemorrhage control in full strength formocresol pulpotomy." *Pediatric Dentistry*, 23, 3:217-222.

Levine DF, Gutmann JL, Witherspoon DE, Nunn ME, Wiggs RB. (2001) "Feline immunodeficiency virus model to study human immunodeficiency virus/acquired immunodeficiency syndrome conditions." *Journal of Endodontics*, 27, 7:467-469.

Sykaras N, Triplett RG, Nunn ME, Iacopino AM, Opperman LA. (2001) "Effect of recombinant human bone morphogenetic protein-2 on bone regeneration and osseointegration of dental implants." *Clinical Oral Implants Research*, 12, 4:339-349.

Al-Hashimi I, Wright JM, Cooley CA, Nunn ME. (2001) "Reproducibility of biopsy grade in Sjogren's syndrome." *Journal of Oral Pathology & Medicine*, 30, 7:408-412.

Shulman JD, Taylor SE, Nunn ME. (2001) "The association between asthma and dental caries in children and adolescents: A population-based case-control study." *Caries Research*. 35, 4:240-246.

Liang H, Tyndall DA, Ludlow JB, Lang LA, Nunn ME. (2001) "Accuracy of mandibular cross-sectional imaging with tuned-aperture computed tomography (TACT), iteratively reconstructed TACT, and multidirectional, linear, and transverse panoramic tomography." *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 91, 5:594-602.

Harrel SK, Nunn ME. (2001) "Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis." *Journal of Periodontology*, 72, 11:1509-1519.

Strange DM, Seale NS, Nunn ME, Strange M. (2001) "Outcome of Formocresol/ZOE Sub-base Pulpotomies Utilizing Alternative Radiographic Success Criteria: Long Term Clinical Evaluation." *Pediatric Dentistry*, 23, 4:331-336.

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Garcia RI, Nunn ME, Vokonas PS. (2001) "Epidemiologic associations between periodontal disease and chronic obstructive pulmonary disease." *Annals of Periodontology*, 6, 1:71-77.

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Murphree KR, Campbell PR, Gutmann ME, Plichta SB, Nunn ME, McCann AL, Gibson G. (2002) "How well prepared are Texas dental hygienists to recognize and report elderly abuse?" *Journal of Dental Education*, 66(11):1274-1280.

Cai Z, Shafer T, Watanabe I, Nunn ME, Okabe T. (2003) "Electrochemical characterization of cast titanium alloys." *Biomaterials*, 24, 2:213-218.

Gibson G, Rosenheck R, Tullner JB, Grimes RM, Seibyl CL, Rivera-Torres A, Goodman HS, Nunn ME. (2003) "A national survey of the oral health status of homeless veterans." *Journal of Public Health Dentistry*, 63(1):30-37.

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Nunn ME. (2003) "Understanding the etiology of periodontitis: an overview of periodontal risk factors." *Periodontology 2000*, 32:11-23.

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Dibart S, Capri D, Kachouh I, Van Dyke T, Nunn ME. (2003) "Crown lengthening in mandibular molars: a 5-year retrospective radiographic analysis." *Journal of Periodontology*, 74(6):815-821.

McGuire MK, Nunn ME. (2003) "Evaluation of human recession defects treated with coronally advanced flaps and either enamel matrix derivative or connective tissue. Part 1: Comparison of clinical parameters." *Journal of Periodontology*, 74(8):1110-1125.

Cederberg RA, Benson BW, Nunn M, English JD. (2003) "Calcification of the Interclinoid and Petroclinoid Ligaments of Sella Turcica: A Radiographic Study of the Prevalence." *Orthodontics and Craniofacial Research*, 6(4): 227-232.

- Croft LK, Nunn ME, Crawford LC, Holbrook TE, McGuire MK, Kerger MM, Zacek GA. (2003) "Patient preference for ultrasonic or hand instruments in periodontal maintenance." *International Journal of Periodontics and Restorative Dentistry*, 23(6):567-573.
- Gusman H, Leone C, Helmerhorst EJ, Nunn M, Flora B, Troxler RF, Oppenheim FG. (2004) "Human salivary gland-specific daily variations in histatin concentrations determined by a novel quantitation technique." *Archives of Oral Biology*, 49(1):11-22.
- Hasturk H, Nunn M, Warbington M, Van Dyke TE. (2004) "Efficacy of a fluoridated hydrogen peroxide-based mouthrinse for the treatment of gingivitis: A randomized clinical trial." *Journal of Periodontology*, 75(1):57-65.
- Harrel SK, Nunn ME. (2004) "The effect of occlusal discrepancies on gingival width" *Journal of Periodontology*, 75(1):98-105.
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- Cueva MA, Boltchi FE, Hallmon WW, Nunn ME, Rivera-Hidalgo F, Rees T. (2004) "A comparative study of coronally advanced flaps with and without the addition of enamel matrix derivative in the treatment of marginal tissue recession." *Journal of Periodontology*, 75(7):949-956.
- Greenstein G, Nunn ME. (2004) "A method to enhance determining the clinical relevance of periodontal research data: number needed to treat (NNT)." *Journal of Periodontology*, 75(4):620-624.
- Dibart S, Capri D, Casavecchia P, Nunn M, Skobe Z. (2004) "Comparison of the effectiveness of scaling and root planing in vivo using hand vs rotary instruments." *International Journal of Periodontics and Restorative Dentistry*, 24(4):370-377.
- Sykaras N, Woody RD, Iacopino AM, Triplett RG, Nunn ME. (2004) "Osseointegration of dental implants complexed with rhBMP-2: a comparative histomorphometric and radiographic evaluation." *International Journal of Oral and Maxillofacial Implants*, 19(5):667-678.
- Nunn ME, Ruhlman CD, Mallatt PR, Rodriguez SM, Ortblad KM. (2004). "Plaque reduction over time of an integrated oral hygiene system." *Compendium of Continuing Education in Dentistry*, 25(10 Suppl 1):8-14.
- Nunn ME, Chaves ES, Gallagher AC, Rodriguez SM, Ortblad KM. (2004). "Stain reduction of an integrated oral hygiene system." *Compendium of Continuing Education in Dentistry*, 25(10 Suppl 1):36-43.

Cote S, Geltman P, Nunn M, Lituri K, Henshaw M, Garcia RI. (2004) "Dental caries of refugee children compared to U.S. children." *Pediatrics*, 114(6):E733-E740.

Hammi AR, Al-Hashimi IH, Nunn ME, Zipp M. (2005) "Assessment of SS-A and SS-B in parotid saliva of patients with Sjogren's syndrome." *Journal of Oral Pathology and Medicine*, 34(4):198-203.

Harrel SK, Wilson TG, Nunn ME. (2005) "Prospective assessment of the use of enamel matrix proteins with minimally invasive surgery." *Journal of Periodontology*, 76(3): 380-384.

McGuire MK, Nunn ME. (2005) "Evaluation of the safety and efficacy of periodontal applications of a living tissue-engineered human fibroblast-derived dermal substitute. I. Comparison to the gingival autograft: a randomized controlled pilot study." *Journal of Periodontology*, 76(6): 867-880.

Wilson TG Jr, McGuire MK, Nunn ME. (2005) "Evaluation of the safety and efficacy of periodontal applications of a living tissue-engineered human fibroblast-derived dermal substitute. II. Comparison to the subepithelial connective tissue graft: a randomized controlled feasibility study." *Journal of Periodontology*, 76(6): 881-889.

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Dietrich T, Nunn M, Dawson-Hughes B, Bischoff-Ferrari HA. (2005) "Association between serum concentrations of 25-hydroxyvitamin D and gingival inflammation." *American Journal of Clinical Nutrition*, 82(3):575-580.

Nunn M. (2005) "Bruxism is significantly more prevalent among smokers." *Journal of Evidence-Based Dental Practice*, 5(2):86-87.

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Miyamoto T, Kumagai T, Jones JA, Van Dyke TE, Nunn ME. (2006) "Compliance as a Prognostic Indicator: Retrospective Study of 505 Patients Treated and Maintained for 15 Years." *Journal of Periodontology*, 77(2): 222-232.

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Fan JJ, Su XG, Levine RA, Nunn ME, LeBlanc M. (2006) "Trees for correlated survival data by goodness of split with applications to tooth prognosis." *Journal of the American Statistical Association*, 101(475):959-967.

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Lee HJ, Garcia RI, Janket SJ, Jones JA, Mascarenhas AK, Scott TE, Nunn ME. (2006) "The association between cumulative periodontal disease and stroke history in older adults." *Journal of Periodontology*, 77(10):1744-1754.

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Papas A, Singh M, Harrington D, Rodriguez S, Ortblad K, de Jager M, Nunn M. (2006) "Stimulation of salivary flow with a powered toothbrush in a xerostomic population." *Special Care in Dentistry*, 26(6):241-246.

Shin SH, Cueva M, Kerns D, Hallmon W, Rivera-Hidalgo F, Nunn M. (2007) "A comparative study of root coverage using acellular dermal matrix (ADM) with and without enamel matrix derivative (EMD)." *Journal of Periodontology*, 78(3):411-421.

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Nunn ME. (2007) "Non-working occlusal discrepancies are associated with increased probing depths and attachment loss." *Journal of Evidence-Based Dental Practice*, 7(2):81-83.

### ABSTRACTS

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### **PRESENTATIONS**

Nunn ME. (March, 1995). "Prognostic Indicators in Periodontal Disease."  
Epidemiology Forum at the AADR Conference  
University of Texas  
San Antonio, Texas.

Nunn ME. (March, 1996). "Discussion of the Selection of Controls in a Case-Control Study of the Effectiveness of Bicycle Safety Helmets in Preventing Serious Facial Injury."  
Epidemiology Forum at the IADR Conference  
University of California  
San Francisco, California

Nunn ME. (June, 1998). "Relationship of clinical parameters and interleukin-1 genotype to tooth survival."  
IADR  
Nice, France

Nunn ME. (March, 1999). "Patient Satisfaction with Managed Care: A Paradigm for Developing a Survey instrument."  
IADR  
Vancouver, British Columbia

Nunn ME. (April, 2000). "Relationship of Occlusal Adjustment to Disease Progression in Chronic Adult Periodontitis."  
IADR  
Washington, D.C.

Nunn ME. (June, 2001). "Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis."  
IADR  
Chiba, Japan

Nunn ME. (March, 2002). "Determination of periodontal prognostic indicators based on multivariate survival trees."  
IADR  
San Diego, California

Nunn ME. (August, 2002). "Influence Diagnostics for Correlated Data."  
JSM  
New York City, New York

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Nunn ME. (June, 2003). "Relationship of the IL-1 Genotype to Alveolar Bone Loss."

IADR

Gothenburg, Sweden

Nunn ME. (March, 2004). "The Healthy Eating Index (HEI) and Dental Caries Among Children."

IADR

Honolulu, Hawaii

Nunn ME. (March, 2007). "Determination of dental prognosis based on multivariate exponential survival trees."

IADR

New Orleans, Louisiana

### ***INVITED PRESENTATIONS***

Nunn ME. (August, 1998). "A 2-Day Course on the Principles of Research Design."

General Practice Residents, Fort Hood, Texas.

Nunn ME. (May, 2000). "Statistical Analyses of Data on Occlusal Adjustment in Patients with Periodontal Disease." Task Force on the Design and Analysis of Clinical Studies in Dentistry, Newark, New Jersey.

Nunn ME. (November, 2000). "Genetic risk factors and supportive periodontal treatment." XXXIV Annual Meeting of the Spanish Society of Periodontology, Madrid, Spain.

Harrel SK, McDevitt MJ, Nunn ME. (October, 2001). "New Evidence for the Effect of Occlusion on Periodontal Disease." American Academy of Periodontology Annual Meeting, Philadelphia, Pennsylvania.

Nunn ME. (November, 2001). "Determination of periodontal prognostic indicators based on multivariate survival trees." Health Services Research Group, VA Hospital, Bedford, Massachusetts.

Nunn ME. (May, 2002). "A 2-Day Course on the Principles of Research Design and Statistical Interpretation of the Dental Literature." Periodontal residents, SUNY – Stony Brook, Stony Brook, New York.

Nunn ME. (March, 2005). "Design problems related to techniques of sample selection, randomization and treatment assignment." Statistical Considerations in Clinical Research Grant Applications, sponsored by NIDCR, Baltimore, MD.

Nunn ME. (December, 2006). "Determination of periodontal prognostic indicators based on multivariate survival trees." Cleveland Clinic Biostatistical Group, Cleveland, OH.

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Nunn ME, McGuire MK, Miyamoto T. (January, 2007). Symposium on new paradigms in periodontal diagnosis and treatment. January 20-21, 2007 in Tokyo, Japan.

Nunn ME. (January, 2007). "The association between cumulative periodontal disease and stroke history in older adults." January 17, 2007, Nihon University School of Dentistry at Matsudo, Chiba, Japan.

Nunn ME. (January, 2007). "The association between cumulative periodontal disease and stroke history in older adults." January 24, 2007, Seoul National University Dental Hospital, Seoul, Korea.

### ***FUNDED ACTIVITY***

#### Active Support

Note: The percent effort listed below is the original percent effort when awards were made. With recent awards, some modifications were made so that my percent effort did not exceed 100%. Currently, my percent effort for the biometry core of CREDD is 55.5%, for the IL-1 genotype grant is 10%, for the CART grant is 15%, and for the comprehensive smoking index grant is 9.5%. My effort on the microarray grant did not change, but my role on Dr. Oppenheim's histatin grant has now been changed to an unpaid consultant.

R03 DE016924 (Nunn)	9/1/2005 – 8/31/2008	30%
NIH/NIDCR		
Multivariate CART for survival with dental applications		

The primary goals of this study are to further develop multivariate CART for survival and apply this newly extended form of CART for survival to a large, well-established database in an effort to develop global dental prognostic indicators that are based on actual tooth loss.

U54 DE 014264 (Nunn)	9/30/2001 – 7/31/2008	60%
NIH/NIDCR		
Biometry Core – Northeast for Research to Reduce Oral Health Disparities		

The Biometry Core of the Northeast Center for Research to Reduce Oral Health Disparities will provide support to the component research projects of the Center, including pilot projects, in the areas of study design, data collection strategies, examiner training and calibration, data management, and data analysis.

The major goals of the projects included in this center are to: (1) conduct research that will lead to an understanding of the factors associated with oral health disparities, (2) develop, test and evaluate interventions designed to reduce oral health disparities, in children and their caregivers, (3) serve as a training and mentoring resource for developing and strengthening biomedical, clinical and behavioral oral health research capacity by expanding research opportunities for scientists in under-represented groups within the scientific workforce as well as through other career development activities, (4) disseminate information on oral health status of underserved populations, and on



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effective means to reduce oral health disparities and (5) over the seven year period of initial support for the Center, to create a regional network of collaborating institutions, building on the partnerships already established in the course of developing this application.

R03 DE 015426 (Nunn)

7/1/2004 – 6/30/2007

25%

NIH/NIDCR

The relationship of the composite IL-1 genotype to alveolar bone loss.

The major goal of this small study is to investigate the relationship of the composite IL-1 genotype to the progression of alveolar bone loss in a pre-existing longitudinal database. 687 subjects enrolled in the VA Dental Longitudinal Study which also have archived DNA samples will be included in the study. Genotype testing of 8 ligands of the IL-1 genotype cluster as well as TNF- $\alpha$  will be conducted. It is anticipated that the genotype testing performed can be used further down the line to eventually investigate the relationship of periodontal disease to systemic disease while taking into account pre-existing genetic factors related to host inflammatory response.

U01 HL 014950 (Walt)

9/30/2002 – 6/30/2011

10%

NIH/NIDCR

Microsensor Arrays for Saliva Diagnostics

The major goal of this project is to develop both new tools and a universal platform for performing measurements on saliva samples. Much of the initial work will be directed at screening potentially useful sensing chemistries for their applicability to sensing components in saliva.

R01 DE 007652 (Oppenheim)

12/31/2004 – 12/31/2006

5%

NIH/NIDCR

Microbicidal Salivary Histidine-Rich Proteins

The long term objective of this project is to understand how histatins, representing an important part of the oral innate host defense system, protect against the multiple potentially adverse effects of microorganisms entering and residing in the oral cavity.

R01 DE011787 (Okabe)

5/1/2000 – 3/31/2007

Consultant

NIH/NIDCR

Dental Casting of Titanium Alloys

Titanium offers an ideal advantage for biomedical and dental applications: it is nontoxic to humans. Dentistry has lagged behind medicine in practical applications of titanium. The motivation behind the previous and the proposed studies is to learn more about this metal in order to develop its full potential for dentistry.

R03 DE016357 (Dietrich)

8/1/2005 – 7/31/2007

15%

NIH/NIDCR

A comprehensive smoking index to model smoking history



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The long-term objective of this project is to establish a comprehensive smoking index (CSI) that accounts for smoking intensity, duration and time since cessation in a single variable as a function of its biological effect on disease risk over time.

#### Previous Support

T32 DE 007227 (DeRouen) NIH/NIDCR Oral Epidemiology and Biostatistics Training Grant	9/1/1992 – 8/31/1997	Trainee
D33 AH30008 (Shulman) HHS/HRSA Dental Public Health Specialty Training Grant.	7/1/1997 – 11/1/2000	Co-Investigator
R01 DE011787 (Okabe) NIH/NIDCR Dental Casting of Titanium Alloys.	5/1/1998 – 4/30/2000	Co-Investigator
R01 DE007644 (Okabe) NIH/NIDCR Evaluation of mercury release from dental amalgams.	9/15/1999 – 8/31/2001	Co-Investigator
Dental Longitudinal Study (Garcia) Veterans Administration Co-Investigator	11/1/2002 – 11/30/2004	25%
R01 DE007644 (Okabe) NIH/NIDCR Evaluation of Mercury Release from Dental Amalgams	9/15/2000 – 8/31/2005	Consultant
R03 DE014120 (Cai) NIH/NIDCR Dental Cast Titanium-Ceramic Bonding	2/1/2002 – 1/31/2005	Consultant

#### ***THESIS COMMITTEES***

“Diet and root caries among elders.” Dr. Angel Rivera (Ph.D. UNT School of Public Health).

“Recognition of Elder Abuse Among Dental Hygienists.” Kellie Murphree (MS Dental Hygiene).

“Dental Hygienist Retention.” Glenna Johns (MS Dental Hygiene).

“Restoration of Endodontically Teeth.” Dr. Glenn Trautmann (MS Endodontics).

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“Comparison of Testing of Saliva versus Serum for SSA and SSB antibodies among SSA/SSB positive Sjogren’s patients, SSA/SSB negative Sjogren’s patients, and healthy control subjects.” Dr. Anne Hammi (MS Periodontics)

“*in vitro* Investigation of the effect of a laser on *S salivarius* and *P gingivalis*.” Tinou Tran (MS Periodontics).

“Longitudinal study of ferric sulfate pulpotomies.” Dr. Nikki Smith (MS Pedodontics) – McArthur Award recipient.

“Administration of local anesthetics and nitrous oxide by dental hygienists.” JoAnn Scofield (MS Dental Hygiene).

“Marginal gap of crowns made with a phosphate-bonded investment and accelerated casting method.” Dr. Elaine Schilling (MS Prosthodontics).

“Comparison of CGRP and NGF levels in the contralateral side of four groups of injured rats.” Dr. Faisal Amir (MS Endodontics).

“The effect of milk and cheese consumption on dental caries in children.” Dr. Anan Sheshah (MSD in Dental Public Health).

“The relationship of periodontitis to stroke in the elderly.” Dr. Hyo-Jung Lee (MSD in Dental Public Health).

“Effectiveness of dental sealants in a large dental health plan.” Dr. Amany Al-Semeiry (PhD in Dental Public Health).

“Relationship of the Food Security Index and the Healthy Eating Index to Early Childhood Caries.” Nadine Braunstein (PhD in Medical Nutritional Sciences).

“Relationship of Obesity to Iron Deficiency in Children.” Maggie Mirch (MS in Medical Nutrition Sciences).

### **PROFESSIONAL AFFILIATIONS**

American Academy of Periodontology  
American Dental Education Association  
American Association of Public Health Dentistry  
International Association of Dental Research  
American Statistical Association  
Biometric Society

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Other references available upon request.

# EXHIBIT B

# REDACTED

CONTAINS INFORMATION DESIGNATED AS  
"CONFIDENTIAL" PURSUANT TO NOVEMBER 9, 2007  
STIPULATED CONFIDENTIALITY ORDER IN THIS ACTION

# EXHIBIT C

# REDACTED

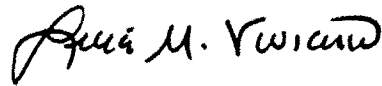
CONTAINS INFORMATION DESIGNATED AS  
"CONFIDENTIAL" PURSUANT TO NOVEMBER 9, 2007  
STIPULATED CONFIDENTIALITY ORDER IN THIS ACTION

**CERTIFICATE OF SERVICE**

I hereby certify under penalty of perjury that on February 4, 2008, I caused a copy of the foregoing **REDACTED DECLARATION OF MARTHA E. NUNN (WITH ANNEXED EXHIBITS)** to be served upon counsel through the Court's ECF filing system and by hand delivery to:

Laura W. Sawyer, Esq.  
**JONES DAY**  
222 East 41st Street  
New York, New York 10017

Dated: New York, New York  
February 4, 2008

A handwritten signature in black ink, appearing to read "Lina M. Viviano", written in a cursive style.

---

Lina M. Viviano